




# Suntech Power

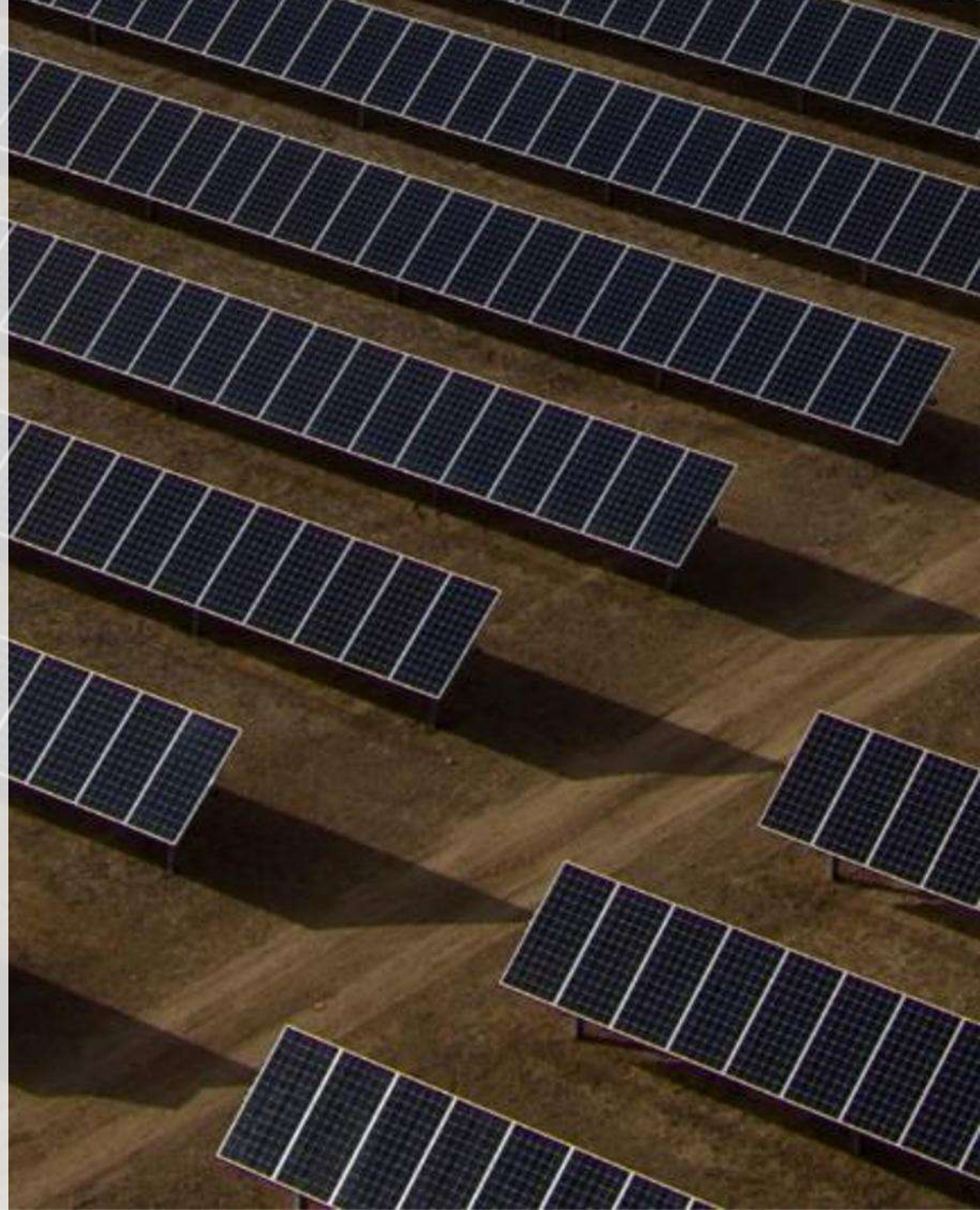
Stand the Test of Time

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**01 About  
SUNTECH**



# About SUNTECH

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Founded in 2001, Suntech Power is a world-renowned manufacturer of photovoltaic (PV) products, engaged in the R&D and production of solar cells and modules.

As a pioneer in the global PV industry with 25 years of module manufacturing experience, Suntech has established a worldwide sales network, positioning itself as a reliable and sustainable energy partner to its customers.



**25yrs**  
Of Manufacturing  
Experience

**100+**  
Countries and  
Regions Covered

**5000+**  
Global Partners

**600+**  
Authorized Patents

# Development Milestones

**2001**

Suntech Power Founded

**2002**

First 10MW production line launched — Equivalent to China's total production for the previous four years

**2015**

Rated as a BNEF Tier 1 Module Supplier

**2018**

Annual shipments exceeded 3GW, Ranking Top 10 globally

**2005**

Listed on the New York Stock Exchange

**2020**

Global Capacity Reached 10GW

**2006**

Acquired Japan's largest PV manufacturer, MSK; Total capacity exceeded 300MW

**2023**

Ranked among Top 10 Most Bankable PV Brands Worldwide by BNEF

**2011**

Annual Shipments exceeded 2.1GW, Ranking No.1 in Global Module Shipments

**2024**

Cumulative Shipments exceeded 55GW

**2025**

Merged with HYSOLAR, Completion of Vertical Integration

**SUNTECH**



# About HYSOLAR

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HYSOLAR was established in 2002 as a comprehensive PV enterprise focused on renewable innovation and applications.

Listed on the Shanghai Stock Exchange in 2018 (Stock Code: 603185). **In 2025, it merged with Suntech**, forming a dual-brand synergy and accelerating global expansion and brand internationalization.

**30** billion

Total Assets

**170** GW

Cumulative Global Shipments  
(by 2025)

**TOP500**

Global New Energy  
Enterprises in 2025

**TOP500**

China's Manufacturing  
Enterprises in 2023



# Full Industrial Chain & PV-ESS Integration

# 100+ GW

Integrated PV  
Production Capacity

Industrial Chain  
Traceability

Stable Delivery

PV-ESS Synergy



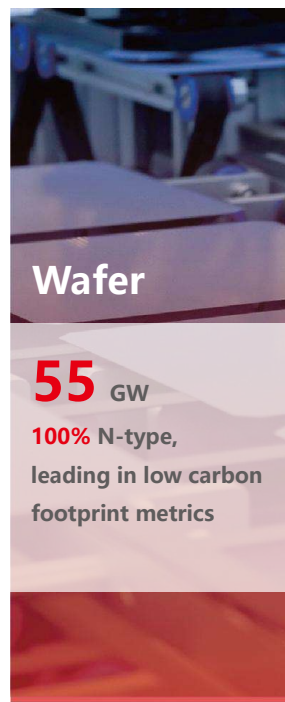
Polycrystalline silicon

**150**  
thousand tons  
Silicon Metal



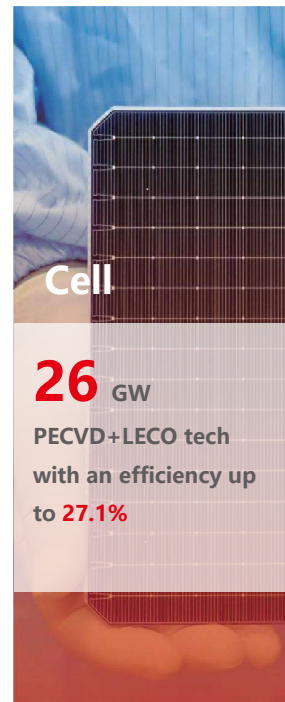
Polysilicon

**100**  
thousand tons  
11N High-Purity Silicon



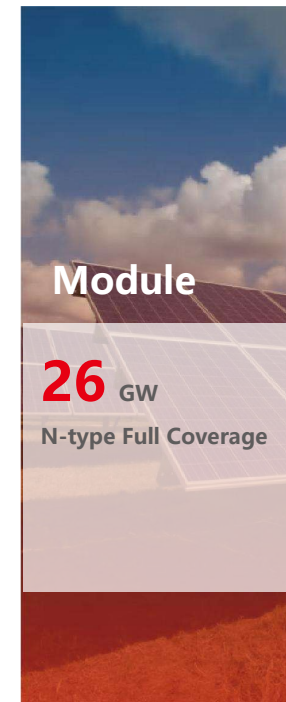
Wafer

**55** GW  
100% N-type,  
leading in low carbon  
footprint metrics



Cell

**26** GW  
PECVD+LECO tech  
with an efficiency up  
to **27.1%**



Module

**26** GW  
N-type Full Coverage



ESS

**5** GWh  
Intelligent ESS  
Solutions

Strong financial health forms the foundation for HYSOLAR's sustainable growth and investor confidence. Amid industry cycle fluctuations, HYSOLAR has demonstrated strong resilience thanks to its full value chain cost control capabilities and diversified business structure.



**54.87%**

**Debt Ratio**

Significantly below the industry average (60–70%)



CNY **216** million

**Operating Cash Flow**

Positive cash flow and profitability turnaround achieved ahead of peers



**5.69** billion CNY

**Revenue**

Year-over-year growth of 6.54%

# HYSOLAR & Suntech Global Presence



**Business Footprint**

**HQ**

Wuxi, China

**Regional Hubs**

- APAC: Singapore
- EU: Germany
- North America: USA
- SouthAmerica: Brazil
- Oceania: Australia
- MEA: UAE
- Africa: South Africa

**Manufacturing Bases**

- Facilit: China Wuxi
- Polysilico: China Baotou
- Ingot: China Baotou
- Wafer: China Baotou
- Wafer: China Xuzhou
- Cell: China Xuzhou
- Cell: China Baotou
- Module: China Jiangyin
- Module: China Chuzhou
- Module: China Baotou
- ESS: China Wuxi

With Suntech's 25-year global distribution network and strategic customer base, HYSOLAR enhances its international market depth and accelerates large-scale overseas deployments.

# Global Partnership

						
						
						
						
		<div data-bbox="789 678 1694 949" style="background-color: red; color: white; padding: 20px; border-radius: 15px; text-align: center;"> <h2 style="font-size: 48px; margin: 0;">5000+</h2> <p style="font-size: 18px; margin: 5px 0;">Partners Worldwide</p> <hr style="width: 50%; margin: 10px auto;"/> <h2 style="font-size: 48px; margin: 0;">100+</h2> <p style="font-size: 18px; margin: 5px 0;">Countries and Regions Covered</p> </div>				
						
						
						
						
						


**Suntech and HYSOLAR**  
**A Strategic Merger for Integrated Growth in 2025**

**HYSOLAR**



**SUNTECH**

**Rooted in Strength, Growing Through Synergy.  
Empowered Together, Advancing Further.**



# 02 Product Introduction

# Sustainable Manufacturing Capabilities

Less than **3%** power output degradation after **16** years– Suntech modules' reliability is confirmed by the Polish Academy of Sciences.

According to *pv magazine*, a study by the Polish Academy of Sciences on two rooftop PV systems in Sinsheim, Germany, which have been reliably operating for over 18 years.

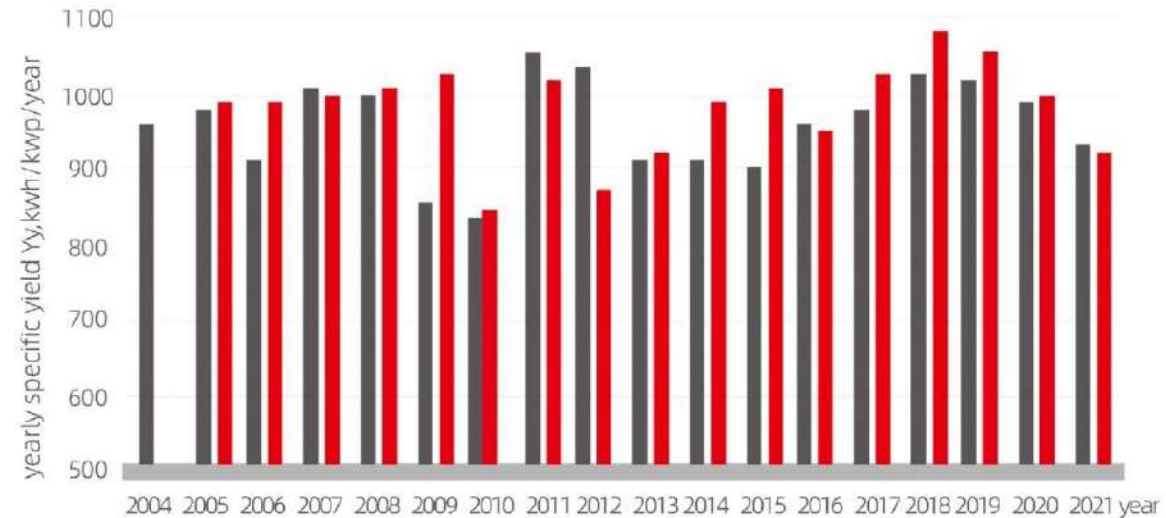


Illustration: Experimentally monitored annual specific energy yield (Yy) of rooftop PV systems from 2004 (2005) to 2021 for installations I-1 and I-2.

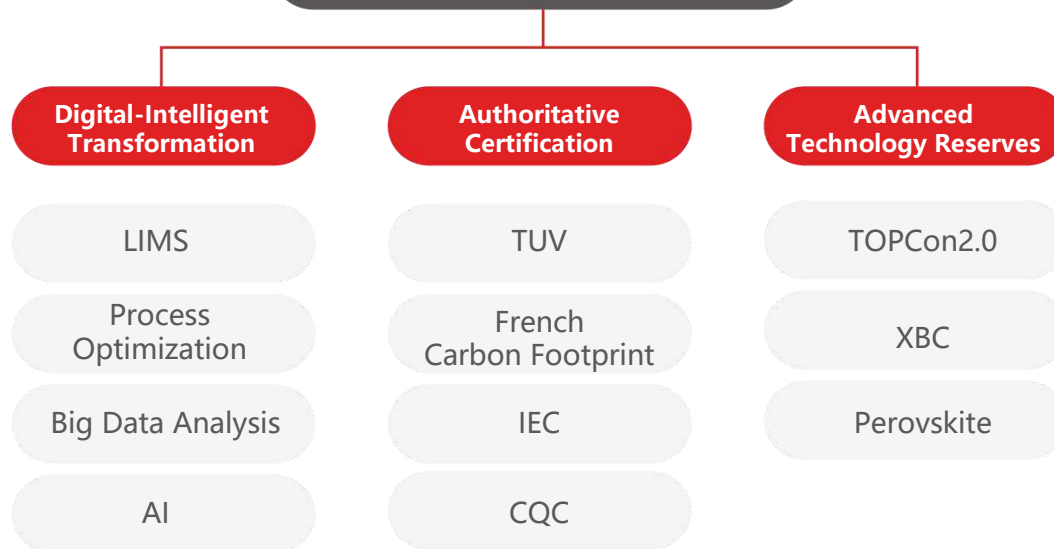
Suntech modules deliver exceptional reliability, surpassing typical industry degradation rates and exceeding the global 25-year  $\leq 20\%$  warranty standard. Designed for a 25-year lifecycle, our products are a testament to Suntech's enduring quality and the company's resilient journey through industry cycles truly **standing the test of time**.

# Top PV Lab

LIMS-managed laboratories with CNAS accreditation

## R&D and Testing

Investment ¥100,000,00 CNY



**635** professionals  
R&D team

**339** million CNY  
2024 R&D investment

**594**  
Authorized international patents

# Leading Innovative Technologies

To ensure product reliability under extreme conditions such as **heat, wind, snow,** and **salt corrosion**, our CNAS-certified labs conduct strict tests, complemented by **world-renowned third-party verification.**



## ISO 9001

Quality Management

## ISO 14001

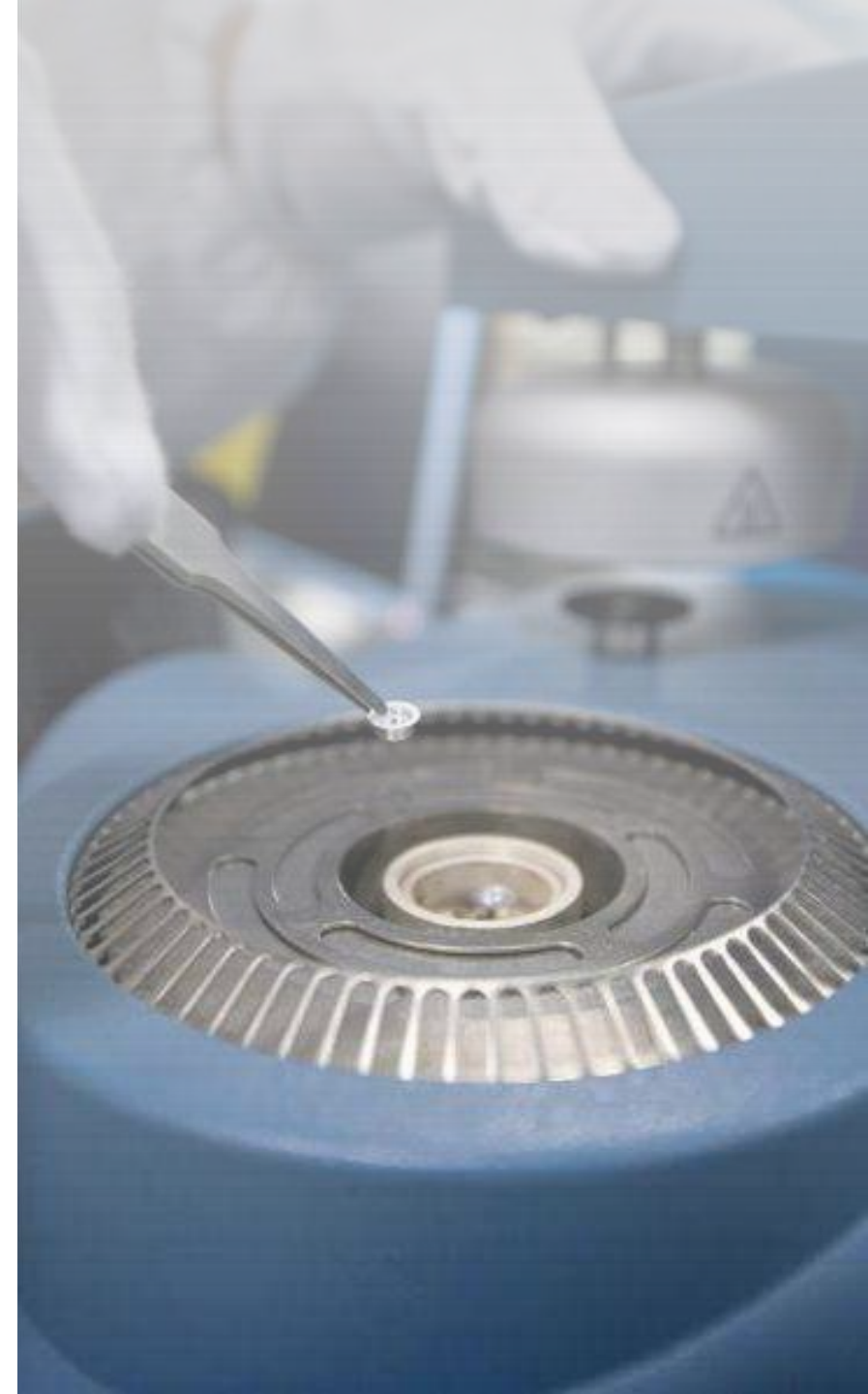
Environment Management

## IEC/TS 62941

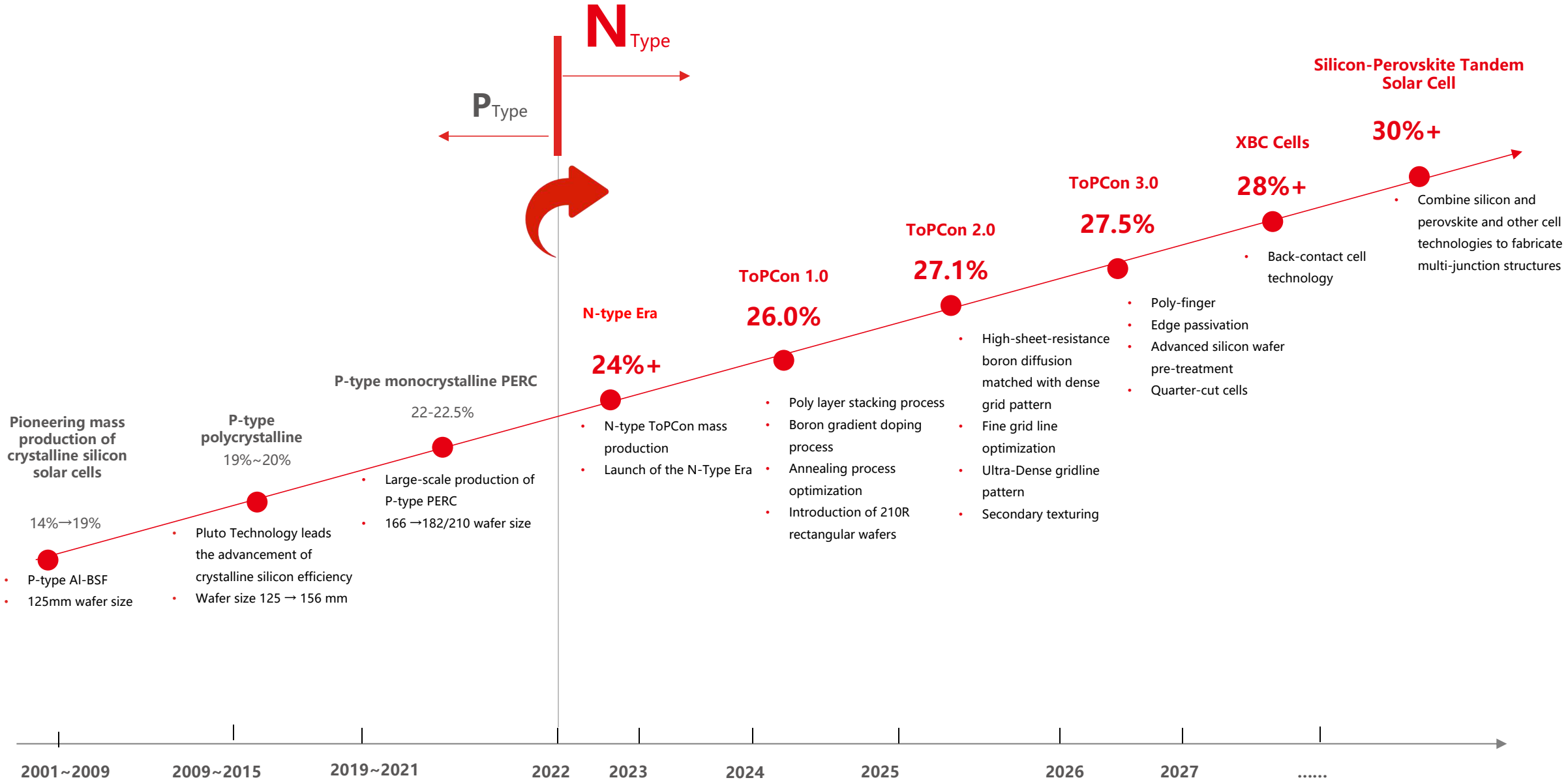
PV Module Manufacturing  
Quality Management

## ISO 45001

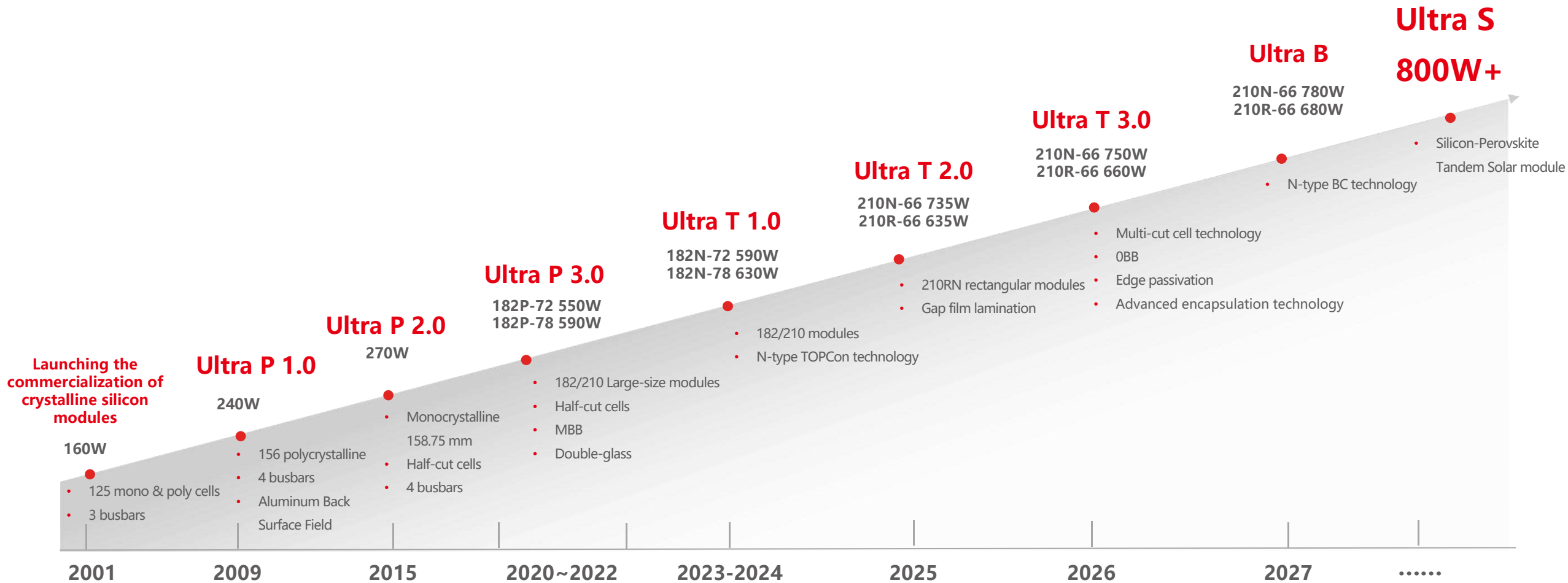
Occupational Health & Safety  
Management



# Cell Technology Roadmap



# Module Technology Roadmap



# Recommended Product Series

Ultra T 1.0

Ultra T 2.0

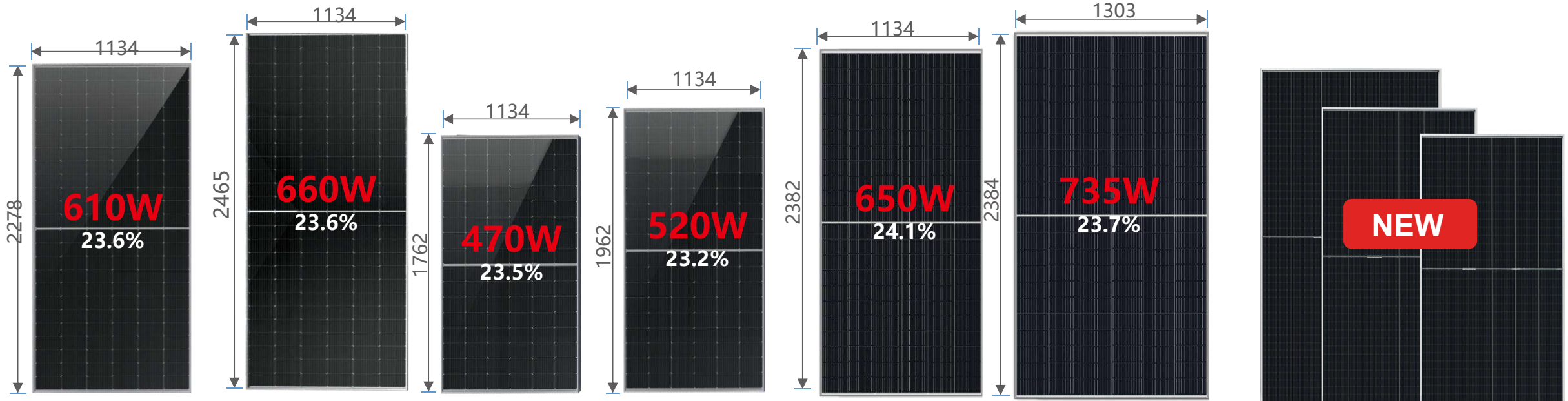
Ultra T 3.0

N-Type 182 Series

N-Type 210R Series

N-Type 210 Series

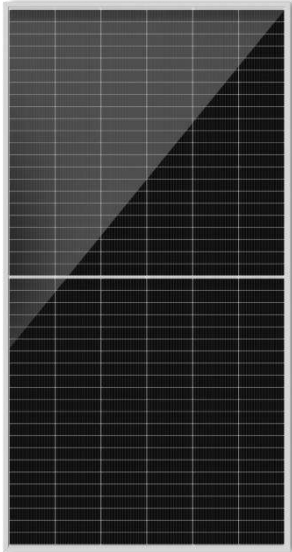
N-Type 210R Quarter-cut Series



Distributed Projects

Commercial and Large-scale Projects

# Ultra T 3.0 New Product



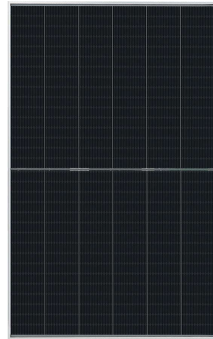
STP-NT11/66QGDF

**650-670W**

2382\*1134\*30mm

Bifacial Dual Glass

C&I / Utility



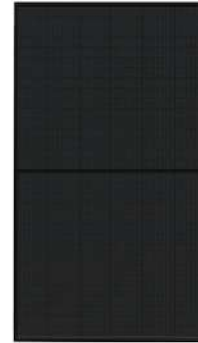
STP-NT11/48QGSF

**470-490W**

1762\*1134\*30mm

Single facial Dual glass

Residential  
Distribution



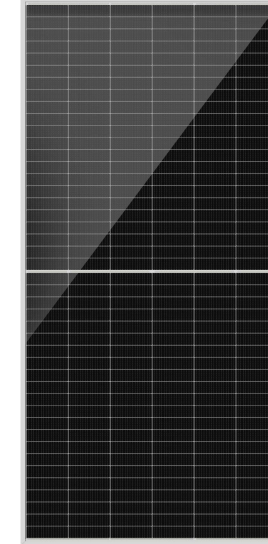
STP-NT11/48QGDF

**470-490W**

1762\*1134\*30mm

Transparent full black bifacial dual glass

Residential  
Distribution



(Planned)  
STP-NT12/66QGDF

**740-760W**

2384\*1303\*33mm

Bifacial Dual Glass

Utility

# Ultra T 3.0 New Quarter-cut Modules

## Power Output

Up to **670<sub>w</sub>**

## Power Temperature Coefficient

Optimized to **-0.26%**

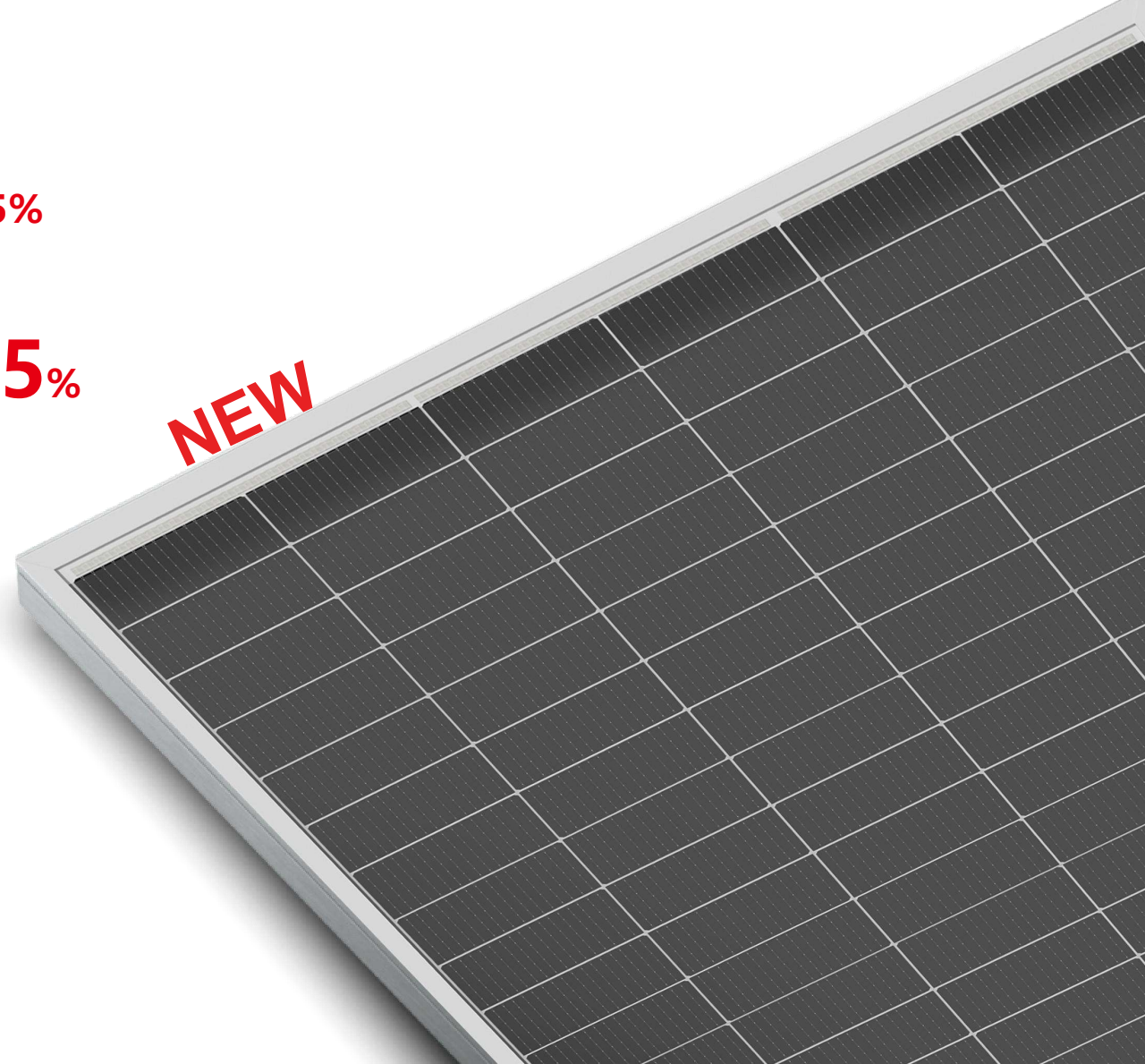
## Bifacial Rate

Increased to **85<sub>±5%</sub>**

## Annual Degradation

Optimized to **-0.35%**

**NEW**



OBB Busbar-Free Technology



Multi-Slicing+ Edge Passivation



Cell Process & BOM Material Optimization



Advanced encapsulation technology



Poly-Finger



Strong Performance Under Low Irradiance, Perfect Adaptation to All Scenarios



**03** Project  
References

# Project References



**250 MW**

**Ningdong Hybrid PV Plant**



**200 MW**



**200 MW**  
(Supplied 122 MW )

**Yellow River Hydro-PV-ESS  
Demonstration Project**



**400 MW**

# Project References

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Al Dhafra PV2 Solar Plant

**1.2** GW (Supplied 680 MW )

- Abu Dhabi, UAE



Shell Moerdijk Solar Park

**27** MW

- Rotterdam, Netherlands



Kimberly Droogfontein PV Plant

**250** MW

- South Africa



Setta PV Plant

**1.5** MW

- Pernambuco, Brazil

# Project References



**210 MW**  
• Karnataka, India



**500 MW**  
(supplied 100MW)  
• Extremadura, Spain



Suntech's First Kazakhstan Project

**50 MW**  
• Karaganda, Kazakhstan



UK's First Bifacial Dual-Glass PV Plant

**34.7 MW**  
• Yorkshire, UK

# Project References



Finow PV Plant

**24.24** MW

- Brandenburg, Germany



Masdar PV Plant

**10** MW (supplied 5MW)

- Abu Dhabi, UAE



Enlight Kramim PV Plant

**18** MW

- Israel



Kanzaki PV Plant

**3.24** MW

- Kanzaki, Japan

# Project References

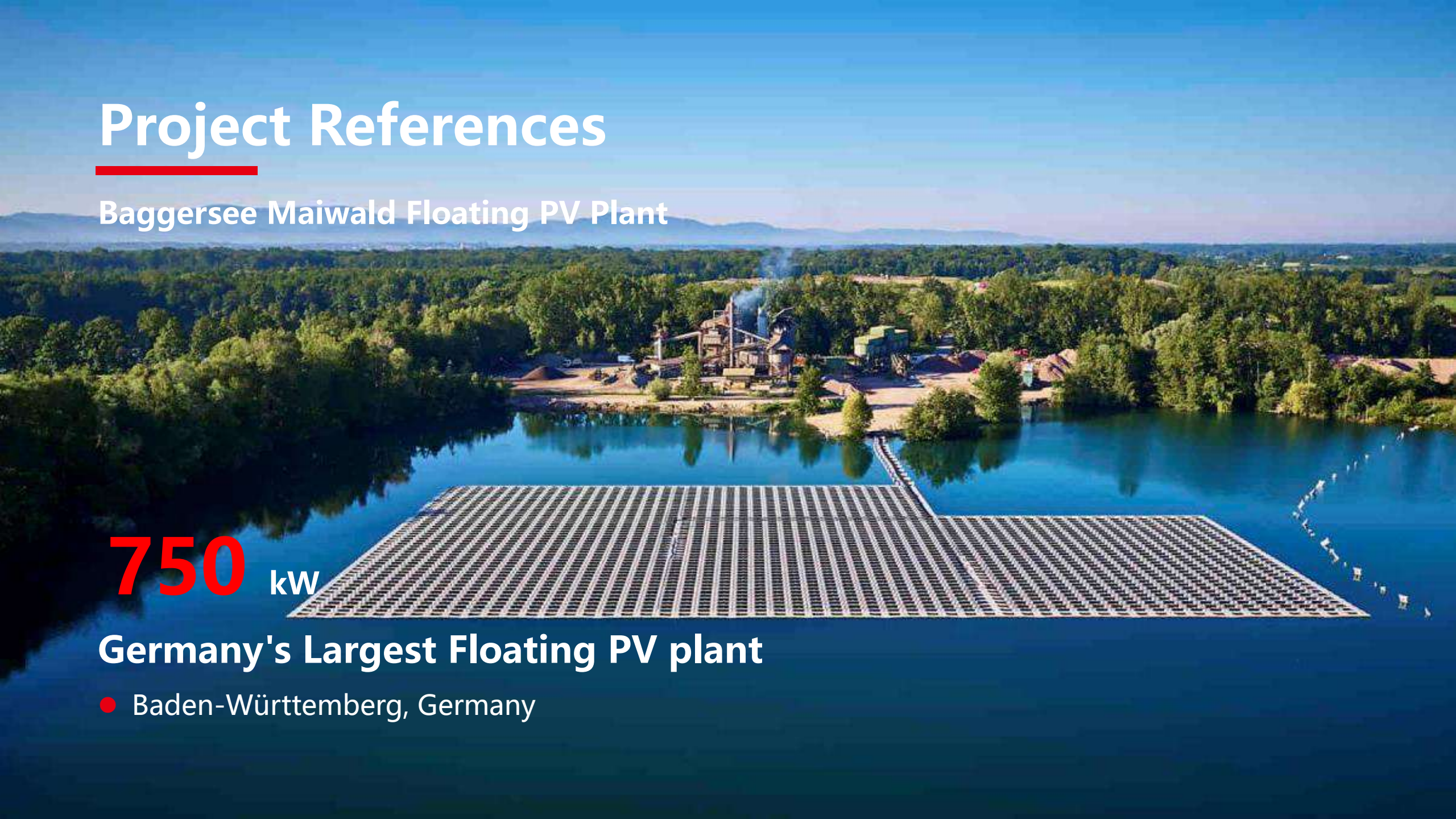
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## Baggersee Maiwald Floating PV Plant

**750** kW

**Germany's Largest Floating PV plant**

- Baden-Württemberg, Germany



# Project References



**San Francisco International Airport T3  
Rooftop PV Project**

**450 kW** • California, USA



**Genk City Hall Rooftop PV Project**

**239.4 kW** • Genk, Belgium



**IKEA MLFU Rooftop PV Project**

**383 kW** • Sydney, Australia



**Sydney Opera House Rooftop PV Project**

**384 kW** • Sydney, Australia

# Project References

## BIPV



Shanghai Expo China Pavilion BIPV Project

**3.14 MW** • Shanghai, China



Suntech HQ BIPV Project

**1 MW** • Wuxi, China



Beijing National Stadium BIPV Project

**130 KW** • Beijing, China



Kanazawa Bus Station BIPV Project

**120 KW** • Kanazawa, Japan

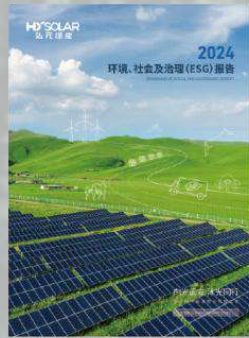


Tokyo Guanghua Primary School BIPV Project

**10 KW** • Tokyo, Japan

# Sustainability and ESG Commitment

Driven by the vision “Cleaner Energy, Better World” ,  
HYSOLAR has released ESG sustainability reports for three consecutive years.



## Friendly Environment

Environmental investment (2024)

CNY **76.94** million

ISO 14001 certification of manufacturing bases

**100%**

Full industrial chain products achieved

**France ECS Carbon Footprint certification**

HYSOLAR  
Zero-carbon factory certification

HYSOLAR New Material  
National Green Supply Chain Management Enterprise

## Shared Values

Social donations

CNY **2** million+

Volunteer service

**500+** hours annually

 **SUNTECH**



**THANKS**

